

Precision N Male to N Female Radius Right Angle Adapter



RF Adapters Technical Data Sheet

ET12489

Configuration

- N Male Connector 1
- N Female Connector 2
- 50 Ohm

- Precision Design
- Radius Right Angle Body Geometry

Features

- Max VSWR of 1.25:1 up to 18 GHz
- Type N interface compliant with MIL-STD-348
- Contact plating according to ASTM B-488
- Gold Plated Beryllium Copper Contact

Applications

General Purpose Test

Precision Test & Measurement

Description

Ebeestock's ET12489 type N male to type N female radius right angle adapter is part of our full line of RF components available for same-day shipping. Our type N to type N adapter has a male to female gender configuration built of durable stainless steel in a precision design. ET12489 type N male to type N female adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.25:1 maximum. This radius right angle type N to type N adapter allows for easier connections in tight spaces.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Ebeestock also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.25:1	
Insertion Loss			0.4	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			2.5	mOhms
Outer Conductor DC Resistance			0.2	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

RF Leakage: -90dB min. from 2 - 3 GHz

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision N Male to N Female Radius Right Angle Adapter ET12489



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Mechanical Specifications

Size

 Length
 1.512 in [38.4 mm]

 Width
 0.812 in [20.62 mm]

 Height
 1.458 in [37.03 mm]

 Weight
 0.0898 lbs [40.73 g]

Connector 1	Connector 2
N Male	N Female
Standard	Standard
MIL-STD-348 MIL-STD-348	
500	500
15 in-lbs [1.70 Nm] min	
	N Male Standard MIL-STD-348 500

Material Specifications

	Connecte	Connector 1		Connector 2		
Descriptio	n Material	Plating	Material	Plating		
Туре	N Male		N Female			
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold		
		ASTM B-488		ASTM B-488		
Insulation	PTFE		PTFE			
Outer Conducto	r		Passivated Stainless Steel			
				ASTM A-967		
Body	Passivated Stainless Steel		Passivated Stainless Steel			
		ASTM A-967		ASTM A-967		
Gasket	Silicone		Silicone			
Coupling Nut	Passivated Stainless Steel					
		ASTM A-967				

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

Shock
MIL-STD-202, Method 213, Test Cond. I
Vibration
MIL-STD-202, Method 204, Test Cond. B.
Salt Spray
MIL-STD-202, Method 101, Test Condition B

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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Precision N Male to N Female Radius Right Angle Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/precision-n-male-to-n-female-radius-right-angle-adapter-0012489

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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